

chain nodes :

10 11

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

2-11 3-10

ring bonds :

1-2 1-5 2-3 3-4 4-5 4-6 5-9 6-7 7-8 8-9

exact/norm bonds :

1-2 1-5 4-5 4-6 5-9 6-7 7-8 8-9

exact bonds :

2-3 2-11 3-4 3-10

isolated ring systems :

containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom

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|---------------------|---------|---|
| <u>NEWS 1</u>       |         | Web Page URLs for STN Seminar Schedule - N. America   |
| <u>NEWS 2</u>       |         | "Ask CAS" for self-help around the clock  |
| <u>NEWS 3</u>       | Feb 24  | PCTGEN now available on STN   |
| <u>NEWS 4</u>       | Feb 24  | TEMA now available on STN   |
| <u>NEWS 5</u>       | Feb 26  | NTIS now allows simultaneous left and right truncation  |
| <u>NEWS 6</u>       | Feb 26  | PCTFULL now contains images   |
| <u>NEWS 7</u>       | Mar 04  | SDI PACKAGE for monthly delivery of multifile SDI results   |
| <u>NEWS 8</u>       | Mar 24  | PATDPAFULL now available on STN   |
| <u>NEWS 9</u>       | Mar 24  | Additional information for trade-named substances without structures available in REGISTRY  |
| <u>NEWS 10</u>      | Apr 11  | Display formats in DGENE enhanced   |
| <u>NEWS 11</u>      | Apr 14  | MEDLINE Reload  |
| <u>NEWS 12</u>      | Apr 17  | Polymer searching in REGISTRY enhanced  |
| <u>NEWS 13</u>      | Jun 13  | Indexing from 1947 to 1956 added to records in CA/CAPLUS  |
| <u>NEWS 14</u>      | Apr 21  | New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX   |
| <u>NEWS 15</u>      | Apr 28  | RDISCLOSURE now available on STN  |
| <u>NEWS 16</u>      | May 05  | Pharmacokinetic information and systematic chemical names added to PHAR   |
| <u>NEWS 17</u>      | May 15  | MEDLINE file segment of TOXCENTER reloaded  |
| <u>NEWS 18</u>      | May 15  | Supporter information for ENCOMPPAT and ENCOMPLIT updated   |
| <u>NEWS 19</u>      | May 19  | Simultaneous left and right truncation added to WSCA  |
| <u>NEWS 20</u>      | May 19  | RAPRA enhanced with new search field, simultaneous left and right truncation  |
| <u>NEWS 21</u>      | Jun 06  | Simultaneous left and right truncation added to CBNB  |
| <u>NEWS 22</u>      | Jun 06  | PASCAL enhanced with additional data  |
| <u>NEWS 23</u>      | Jun 20  | 2003 edition of the FSTA Thesaurus is now available   |
| <u>NEWS 24</u>      | Jun 25  | HSDB has been reloaded  |
| <u>NEWS 25</u>      | Jul 16  | Data from 1960-1976 added to RDISCLOSURE  |
| <u>NEWS 26</u>      | Jul 21  | Identification of STN records implemented   |
| <u>NEWS 27</u>      | Jul 21  | Polymer class term count added to REGISTRY  |
| <u>NEWS 28</u>      | Jul 22  | INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available   |
| <u>NEWS EXPRESS</u> | April 4 | CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003 |
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NSPEC IS C AT 10  
 NSPEC IS C AT 11  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I  
 NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE

=> s 11

SAMPLE SEARCH INITIATED 13:53:04 FILE 'REGISTRY'  
 SAMPLE SCREEN SEARCH COMPLETED - 1901 TO ITERATE

52.6% PROCESSED 1000 ITERATIONS 8 ANSWERS  
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
 BATCH \*\*COMPLETE\*\*  
 PROJECTED ITERATIONS: 35405 TO 40635  
 PROJECTED ANSWERS: 71 TO 537

L2 8 SEA SSS SAM L1

=> s 11 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 147.75 U.S. DOLLARS  
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y  
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 FULL SCREEN SEARCH COMPLETED - 38061 TO ITERATE

100.0% PROCESSED 38061 ITERATIONS 186 ANSWERS  
 SEARCH TIME: 00.00.01

L3 186 SEA SSS FUL L1

=> file hcaplus

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| COST IN U.S. DOLLARS | SINCE FILE | TOTAL   |
|                      | ENTRY      | SESSION |
| FULL ESTIMATED COST  | 152.55     | 152.76  |

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FILE COVERS 1907 - 22 Jul 2003 VOL 139 ISS 4

FILE LAST UPDATED: 21 Jul 2003 (20030721/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 ' 9 L3

=> s 14 and pd < december 1998

18904707 PD < DECEMBER 1998

(PD<19981200)

L5 3 L4 AND PD < DECEMBER 1998

=> s 14 and campbell, i?/au

1545 CAMPBELL, I?/AU

L6 2 L4 AND CAMPBELL, I?/AU

=> d 16, ibib abs fhitr, 1-2

L6 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2003 ACS on STN

| Full Text | Citing References |
|-----------|-------------------|
|-----------|-------------------|

ACCESSION NUMBER: 2000:628138 HCAPLUS

DOCUMENT NUMBER: 133:222726

TITLE: Preparation of pyrazolopyridines as selective inhibitors of COX-2

INVENTOR(S): **Campbell, Ian Baxter**; Lambeth, Paul Francis; Naylor, Alan; Pegg, Neil Anthony

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 40 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

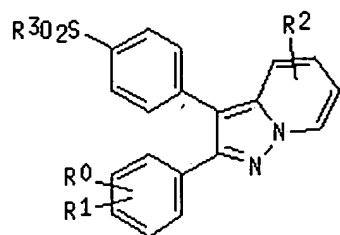
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO.        | DATE       |
|---|------|----------|------------------------|------------|
| <u>WO 2000052008</u>  | A1   | 20000908 | <u>WO 1999-EP10263</u> | 19991222   |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                        |            |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                        |            |
| <u>EP 1157025</u>   | A1   | 20011128 | <u>EP 1999-968808</u>  | 19991222   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO   |      |          |                        |            |
| <u>JP 2002538157</u>  | T2   | 20021112 | <u>JP 2000-602234</u>  | 19991222   |
| <u>US 6498166</u>   | B1   | 20021224 | <u>US 2001-890925</u>  | 20010830   |
| <u>PRIORITY APPLN. INFO.:</u>   |      |          | <u>GB 1999-4506</u>    | A 19990227 |
|   |      |          | <u>GB 1999-20904</u>   | A 19990903 |
|   |      |          | <u>WO 1999-EP10263</u> | W 19991222 |

OTHER SOURCE(S): MARPAT 133:222726

GI



I

AB The title compds. [I; R0, R1 = H, halo, alkyl, etc.; R2 = halo, CN, CONR4R5, etc.; R3 = alkyl, NH2; R4, R5 = H, alkyl, (un)substituted Ph; NR4R5 = satd. 4-8 membered ring] which are potent and selective inhibitors of COX-2 and are of use in the treatment of the pain, fever, inflammation of a variety of conditions and diseases, were prepd. and formulated. E.g., a multi-step synthesis of I [R0 = 4-F; R1 = H; R2 = 6-CN; R3 = NH2] which showed IC50 of 21 nM against COX-2 vs. IC50 of 20,950 nM against COX-1, was given.

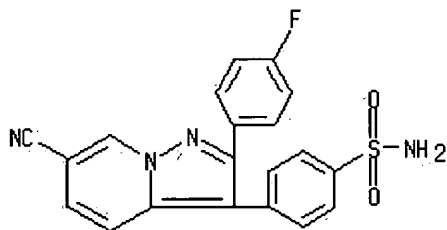
## IT 291743-84-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of pyrazolopyridines as selective inhibitors of COX-2)

RN 291743-84-5 HCAPLUS

CN Benzenesulfonamide, 4-[6-cyano-2-(4-fluorophenyl)pyrazolo[1,5-a]pyridin-3-yl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2003 ACS on STN

| Full Text | Citing References |
|-----------|-------------------|
|-----------|-------------------|

ACCESSION NUMBER: 2000:314697 HCAPLUS

DOCUMENT NUMBER: 132:321858

TITLE: Preparation of pyrazolopyridines as selective COX-2 inhibitors

INVENTOR(S): Campbell, Ian Baxter; Naylor, Alan

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

| PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|---------------|------|----------|-----------------|----------|
| WO 2000026216 | A1   | 20000511 | WO 1999-EP8186  | 19991101 |

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IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,  
 MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,  
 SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,  
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

BR 9915011 A 20010807 BR 1999-15011 19991101

EP 1127058 A1 20010829 EP 1999-955897 19991101

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO

JP 2002528547 T2 20020903 JP 2000-579604 19991101

JP 3420751 B2 20030630

NO 2001002156 A 20010702 NO 2001-2156 20010502

PRIORITY APPLN. INFO.:

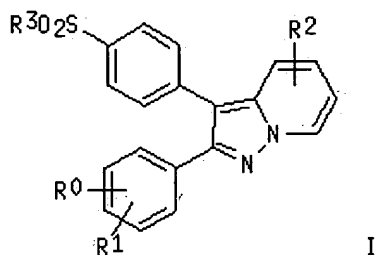
GB 1998-24062 A 19981103

GB 1999-20909 A 19990903

WO 1999-EP8186 W 19991101

OTHER SOURCE(S): MARPAT 132:321858

GI



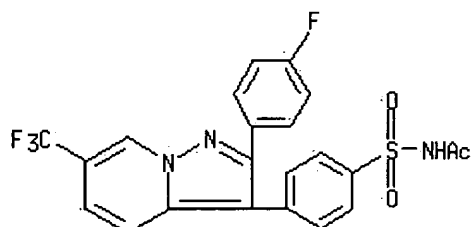
AB The title compds. [I; R0, R1 = H, halo, alkyl, etc.; R2 = H, alkyl, alkyl substituted by one or more fluorine atoms, etc.; R3 = alkyl, NH2] which are potent and selective inhibitors of COX-2 and are of use in the treatment of the pain, fever, inflammation of a variety of conditions and diseases, were prepd. and formulated. E.g., a multi-step synthesis of I [R0 = 3-F; R1 = H; R2 = 6-CF3; R3 = NH2] which showed IC50 of 34 nM against COX-2, was given.

IT 267235-24-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of pyrazolopyridines as selective COX-2 inhibitors)

RN 267235-24-5 HCAPLUS

CN Acetamide, N-[[4-[2-(4-fluorophenyl)-6-(trifluoromethyl)pyrazolo[1,5-a]pyridin-3-yl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

8

THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 13:45:45 ON 22 JUL 2003)

FILE 'REGISTRY' ENTERED AT 13:45:54 ON 22 JUL 2003

L1 STRUCTURE UPLOADED

L2 8 S L1

L3 186 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 13:53:16 ON 22 JUL 2003

L4 9 S L3

L5 3 S L4 AND PD < DECEMBER 1998

L6 2 S L4 AND CAMPBELL, I?/AU

=> s l5 not l6

L7 3 L5 NOT L6

=> d l7, ibib abs fhitstr, 1-3

L7 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2003 ACS on STN

| Full Text | Citing References |
|-----------|-------------------|
|-----------|-------------------|

ACCESSION NUMBER: 1989:95084 HCAPLUS

DOCUMENT NUMBER: 110:95084

TITLE: Preparation of new nitrogen-bridged heterocycles. 18. Facile formations of 3-arylpyrazolo[1,5-a]pyridines and 1-aryllindolizines

AUTHOR(S): Kakehi, Akikazu; Ito, Suketaka; Kinoshita, Naosumi; Abaka, Yukio

CORPORATE SOURCE: Fac. Eng., Shinshu Univ., Nagano, 380, Japan

SOURCE: Bulletin of the Chemical Society of Japan (1988), 61(6), 2055-61

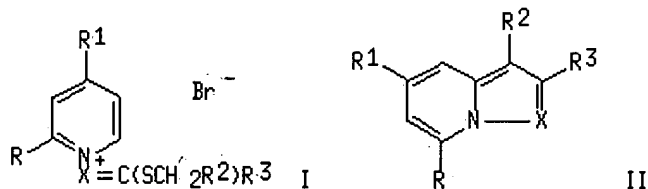
CODEN: BCSJA8; ISSN: 0009-2673

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 110:95084

GI



AB The base treatment of [(benzylthio)methyleneamino]pyridinium I (X = N; R, R<sub>1</sub> = H, Me; R<sub>2</sub> = Ph, substituted Ph, R<sub>3</sub> = SMe, Ph, OEt, NEt<sub>2</sub>) and [(benzylthio)vinyl]pyridinium bromides I (X = CR<sub>4</sub>; R, R<sub>1</sub> = H, Me; R<sub>2</sub> = Ph, substituted Ph, R<sub>3</sub> = SMe, R<sub>4</sub> = CO<sub>2</sub>Et, cyano, CPh), possessing an electron-withdrawing substituent such as a nitro or cyano group in the presence or absence of a dehydrogenating agent afforded 3-arylpyrazolo[1,5-a]-pyridines II (X = N) and 1-aryllindolizines II (X = CR<sub>4</sub>) resp. in moderate to good yields, while the reactions of the parent pyridinium salts and those having an electron-releasing group did not produce any significant products. The mode of the reaction, a ring contraction-desulfurization, is the same as that obsd. in related



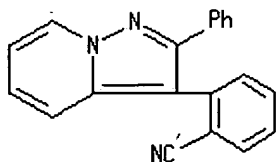
monocyclic species.

IT **119093-32-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN **119093-32-2** HCAPLUS

CN **Benzonitrile, 2-(2-phenylpyrazolo[1,5-a]pyridin-3-yl)-** (9CI) (CA INDEX NAME)



L7 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2003 ACS on STN

| Full Text | Citing References |
|-----------|-------------------|
|-----------|-------------------|

ACCESSION NUMBER: 1973:71992 HCAPLUS

DOCUMENT NUMBER: 78:71992

TITLE: Reactive intermediates. XXI. Thermal decarboxylation of 2,6-diazatricyclo[5.2.1.0<sup>2,6</sup>]deca-4,8-diene-3,10-diones to pyrazolo[1,5-a]pyridines

AUTHOR(S): Rees, C. W.; Yelland, M.

CORPORATE SOURCE: Chem. Dep., Univ. Leicester, Leicester, UK

SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1973), (3), 221-5

CODEN: JCPRB4; ISSN: 0300-922X

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

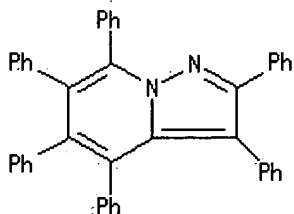
AB Oxidn. of pyrazolin-5-ones (I; R = H, Ph, or CH<sub>2</sub>Ph) in the presence of tetracyclone gave the corresponding adducts (II), which on heating lost CO<sub>2</sub> and rearranged to the pyrazolo[1,5-a]pyridines (III).

IT **22889-10-7P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN **22889-10-7** HCAPLUS

CN **Pyrazolo[1,5-a]pyridine, hexaphenyl-** (8CI, 9CI) (CA INDEX NAME)



L7 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2003 ACS on STN

| Full Text | Citing References |
|-----------|-------------------|
|-----------|-------------------|

ACCESSION NUMBER: 1969:422062 HCAPLUS

DOCUMENT NUMBER: 71:22062

TITLE: A novel heterocyclic rearrangement. Extrusion of carbon dioxide from non-adjacent carbonyl groups

AUTHOR(S): Rees, Charles W.; Yelland, M.

CORPORATE SOURCE: Univ. Leicester, Leicester, UK

SOURCE: Journal of the Chemical Society [Section] D: Chemical Communications (1969), (8), 377-8  
CODEN: CCJDAO; ISSN: 0577-6171

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

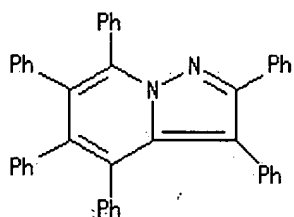
AB Oxidn. of 4-substituted-3-phenyl-2-pyrazolin-5-ones with Pb(OAc)<sub>4</sub> in CH<sub>2</sub>Cl<sub>2</sub> contg. tetraphenylcyclopentadienone (I) gave good yields of the Diels-Alder adducts (II). Thermolyses of I at 210°/1 mm. 16 hrs. caused extrusion of CO<sub>2</sub> and formation of 30-45% III. The proposed mechanism for this unusual rearrangement involved N-C bond fission (1st part of stepwise retro-Diels-Alder) to give a zwitterion, formation of a lactone produced by attack of the pyrazolone O at the cyclopentenone carbonyl group, and subsequent loss of CO<sub>2</sub> with formation of III. The thermolyses also produced 35-40% I, the stable product of the normal retro-Diels-Alder reaction.

IT 22889-10-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 22889-10-7 HCAPLUS

CN Pyrazolo[1,5-a]pyridine, hexaphenyl- (8CI, 9CI) (CA INDEX NAME)



=> file caold

|  |                  |               |
|--|------------------|---------------|
| COST IN U.S. DOLLARS                       | SINCE FILE ENTRY | TOTAL SESSION |
| FULL ESTIMATED COST                        | 27.19            | 179.95        |
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| CA SUBSCRIBER PRICE                        | -3.26            | -3.26         |

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FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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L1 STRUCTURE UPLOADED

L2 8 S L1

L3 186 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 13:53:16 ON 22 JUL 2003

L4 9 S L3

L5 3 S L4 AND PD < DECEMBER 1998

L6 2 S L4 AND CAMPBELL, I?/AU

L7 3 S L5 NOT L6

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=> s l3

L8 0 L3

=> log y

COST IN U.S. DOLLARS

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|------------|---------|
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 0.00       | -3.26   |

CA SUBSCRIBER PRICE

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